

Claims:

1. Registration artifact for use in registering fluoroscopic images comprising:
a plurality of radio-opaque fiducials arranged in a known geometric relationship;
and
5 a plurality of trackable markers disposed on the artifact in a known geometric
relationship to fiducials.

2. A method for registering fluoroscopic images comprising:
capturing a first fluoroscopic image of a patient and a registration artifact from a
10 first perspective, the registration artifact including, a plurality of radio-opaque fiducials
arranged in a known geometric relationship and a plurality of trackable markers disposed
in a known geometric relationship to fiducials;

determining the position of the registration artifact in the first fluoroscopic image
with respect to a known coordinate frame by determining the position of the markers
15 using the tracking system; and

capturing a second fluoroscopic image of the patient and the registration artifact
frame second perspective;

determining the position of the registration artifact in the second fluoroscopic
image with respect to the known coordinate frame by determining the position of the
20 markers using the tracking system;

registering the first and second fluoroscopic images using the positions of the
fiducials in each fluoroscopic image and the determined positions of the registration
artifact.

registering the fluoroscopic images.